

FIG. 1

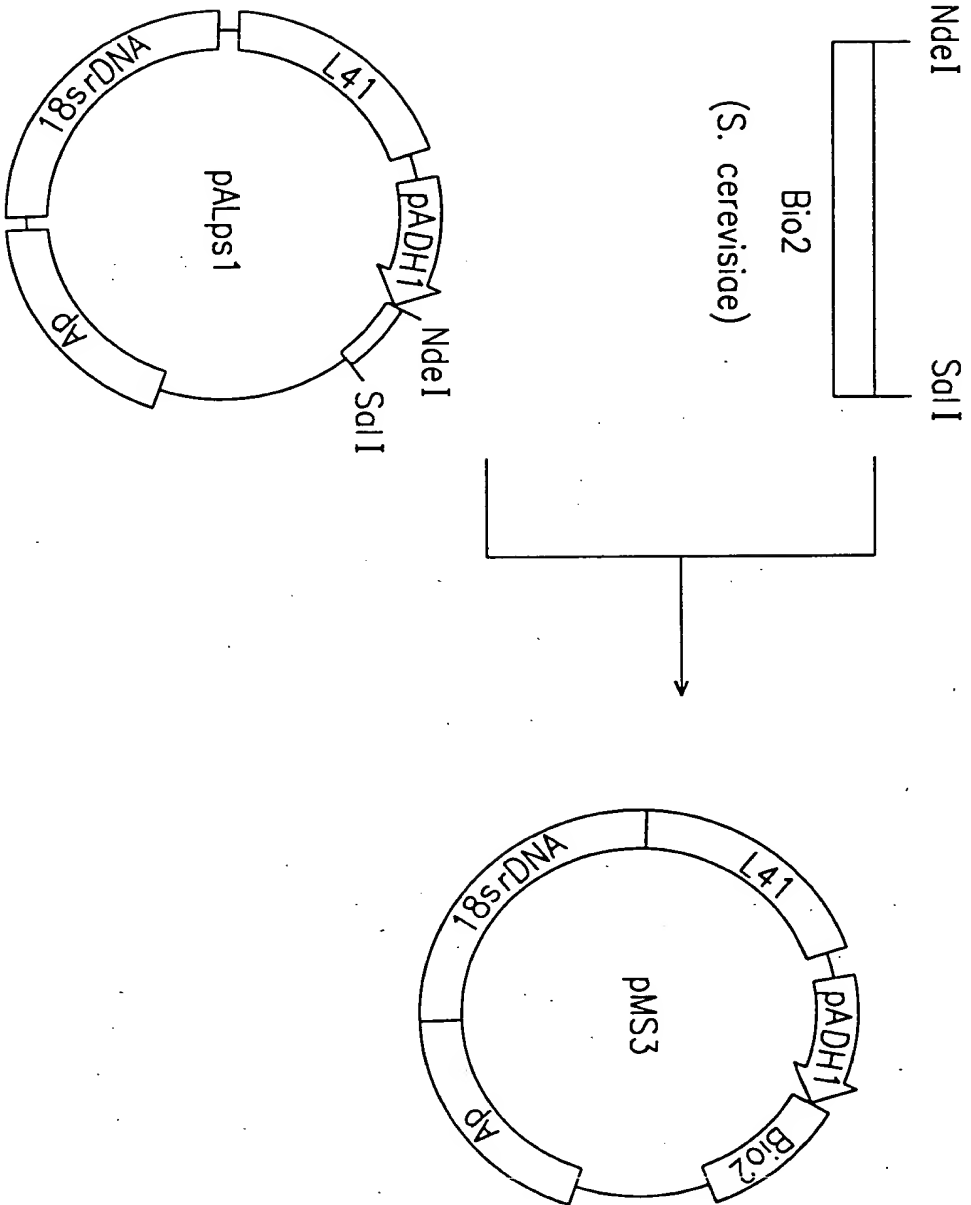


FIG. 2

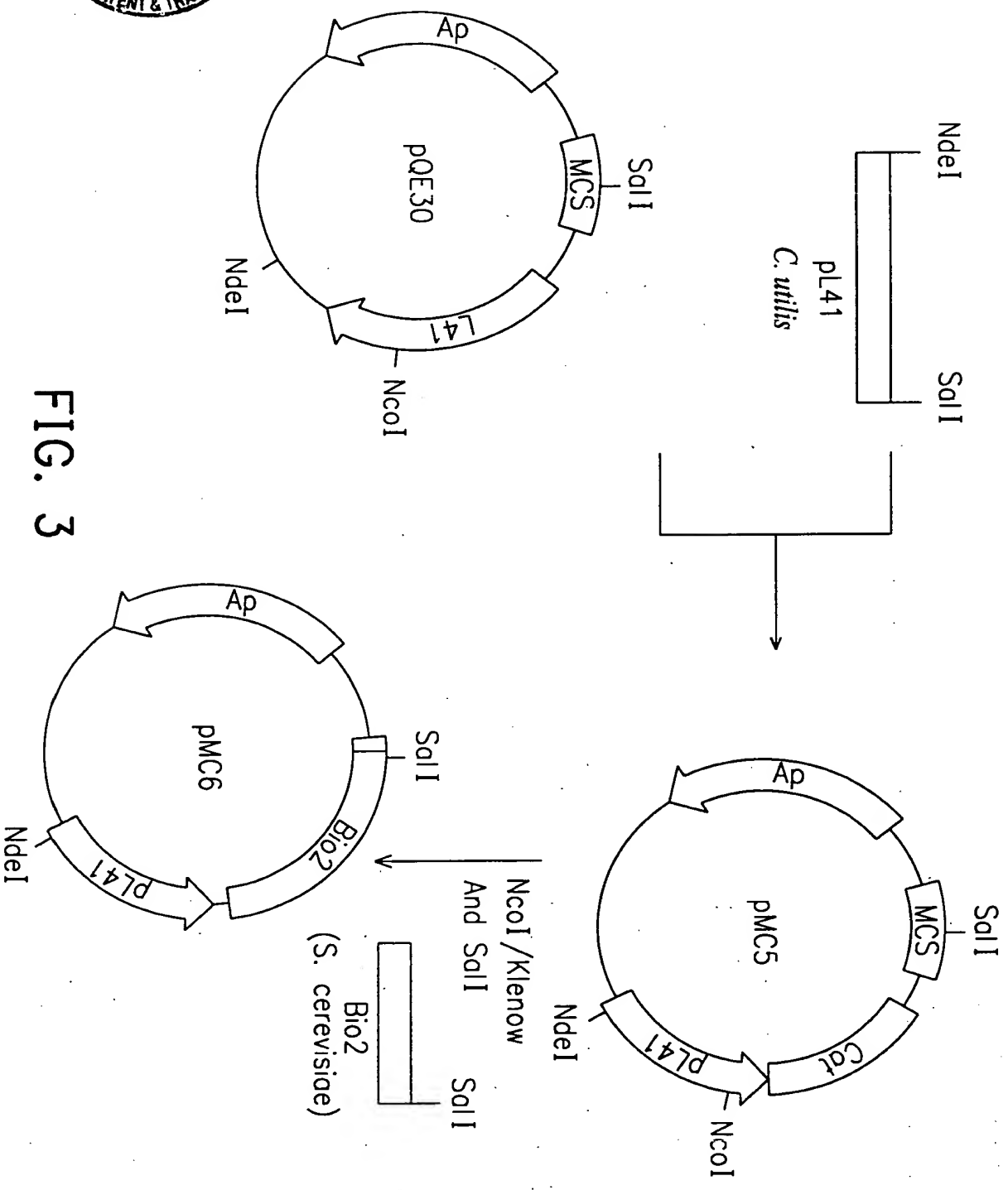


FIG. 3

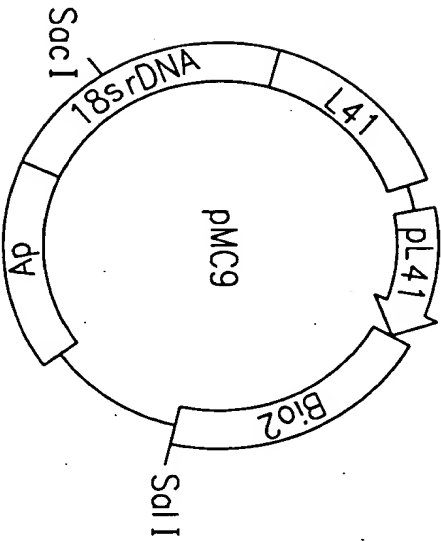
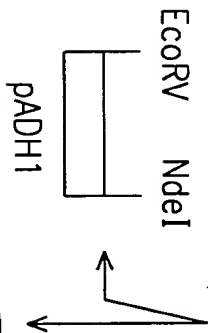
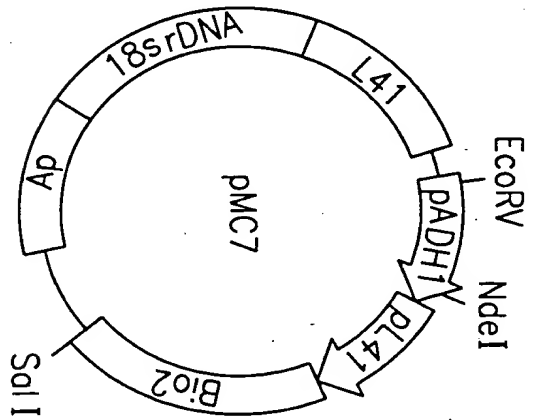
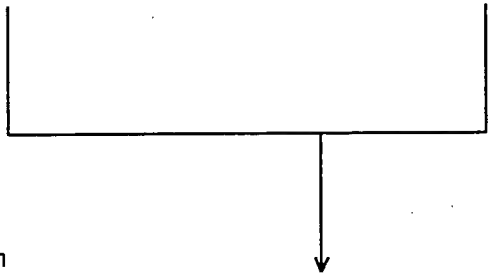
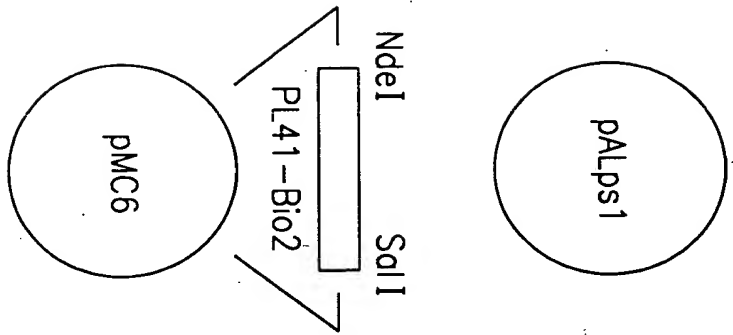


FIG. 4

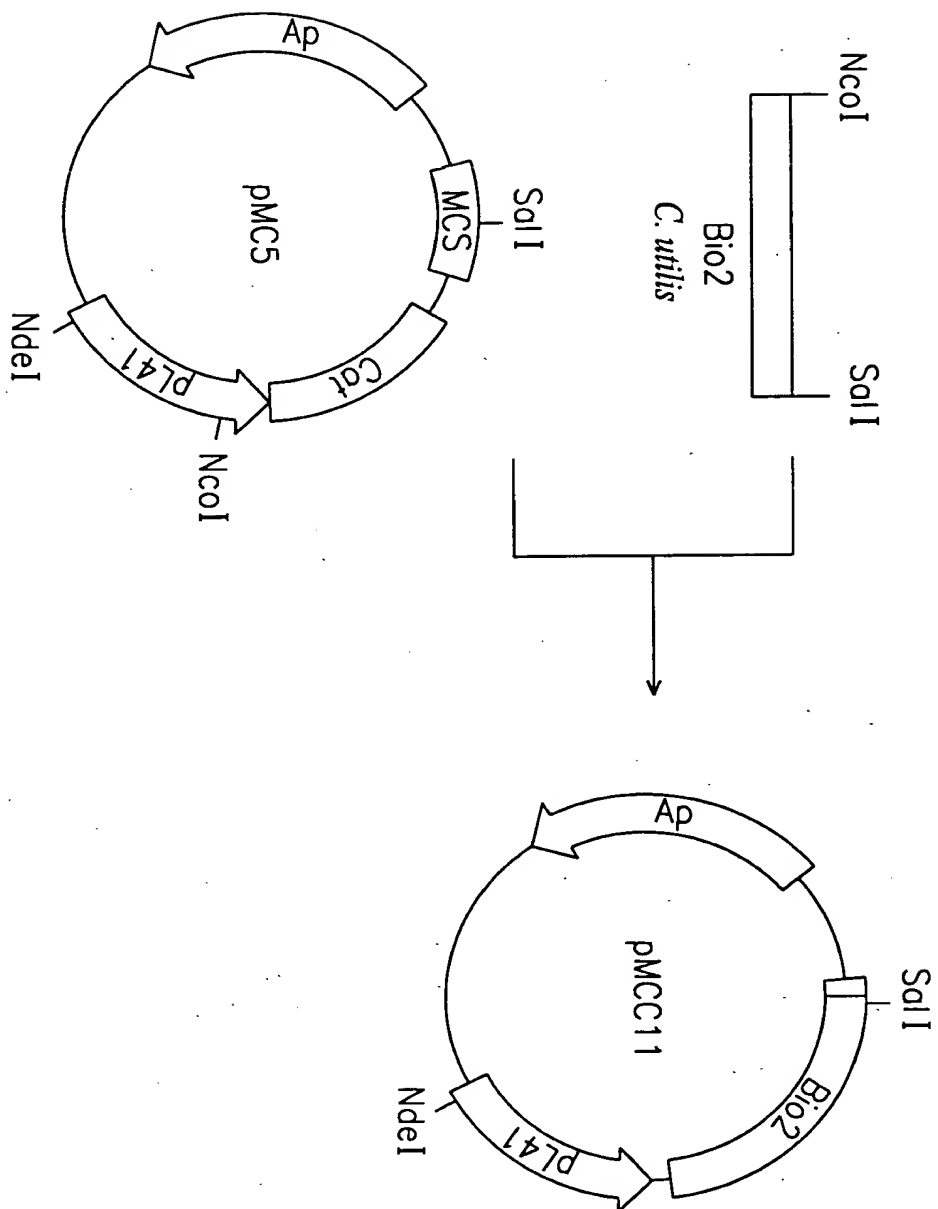


FIG. 5

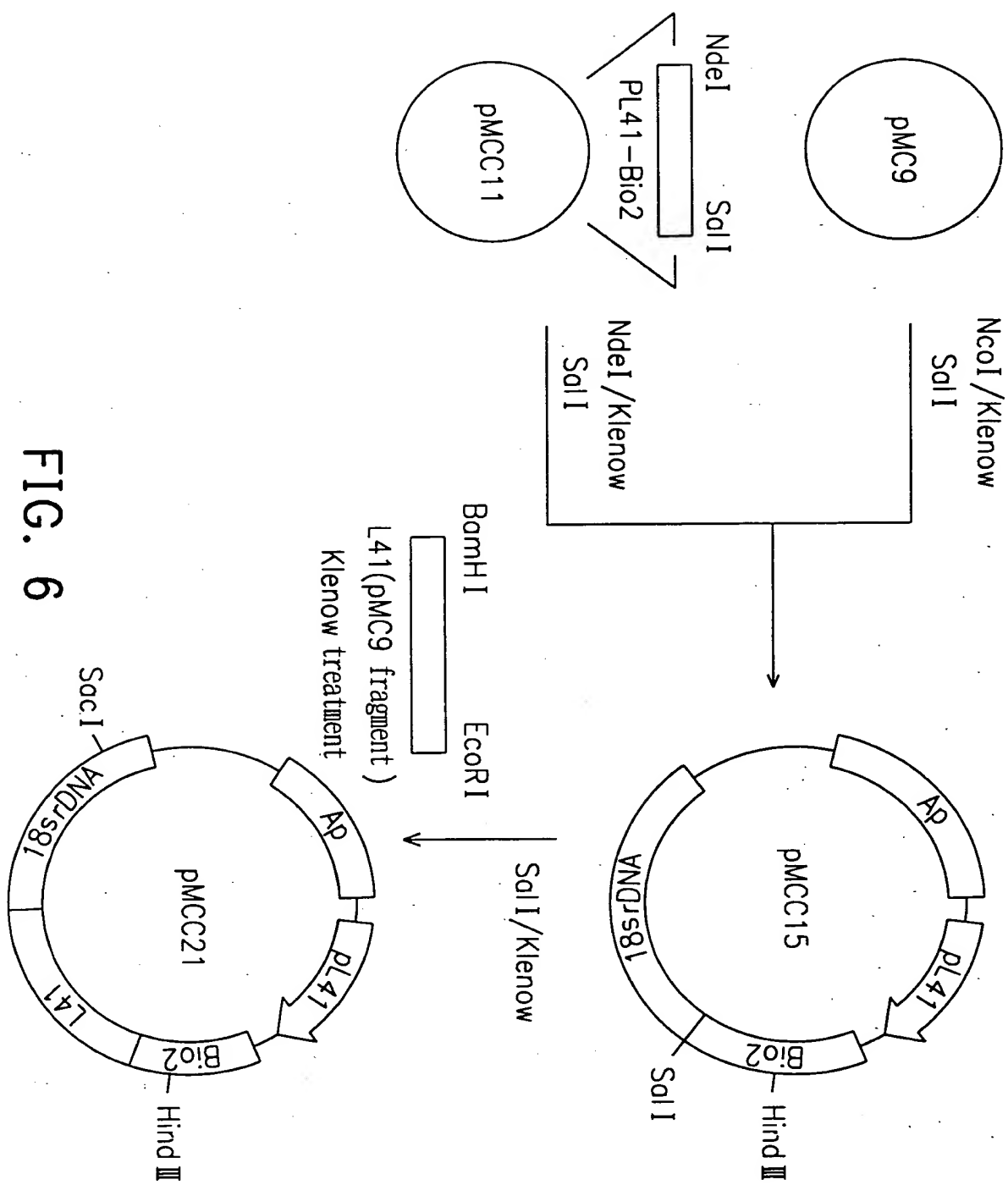


FIG. 6

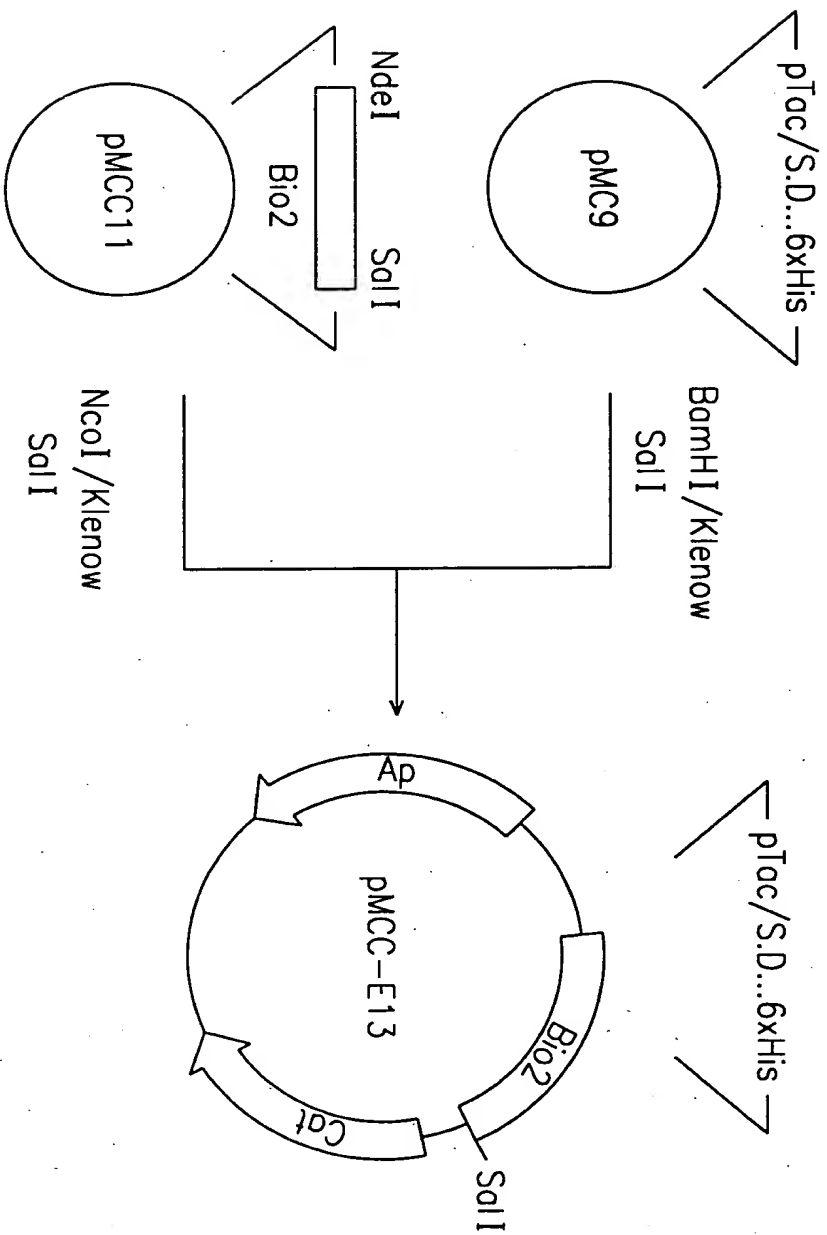
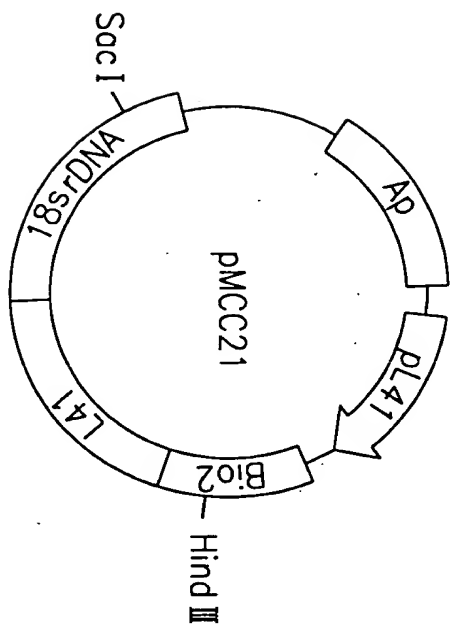


FIG. 7



full-length Bio2 gene

substitution
↓

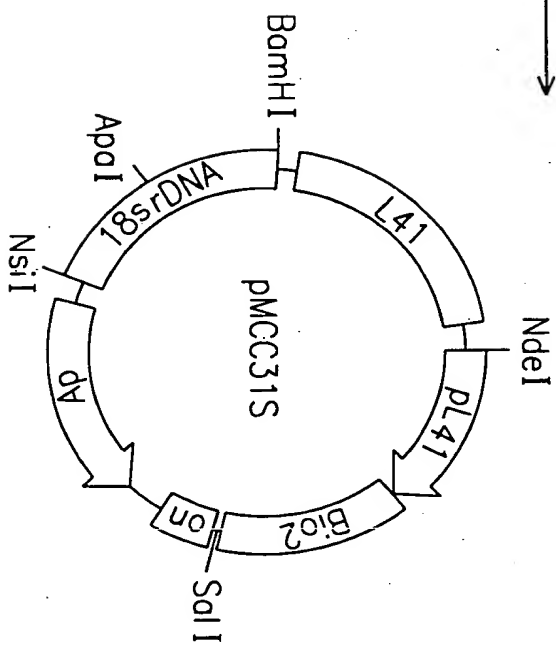


FIG. 8

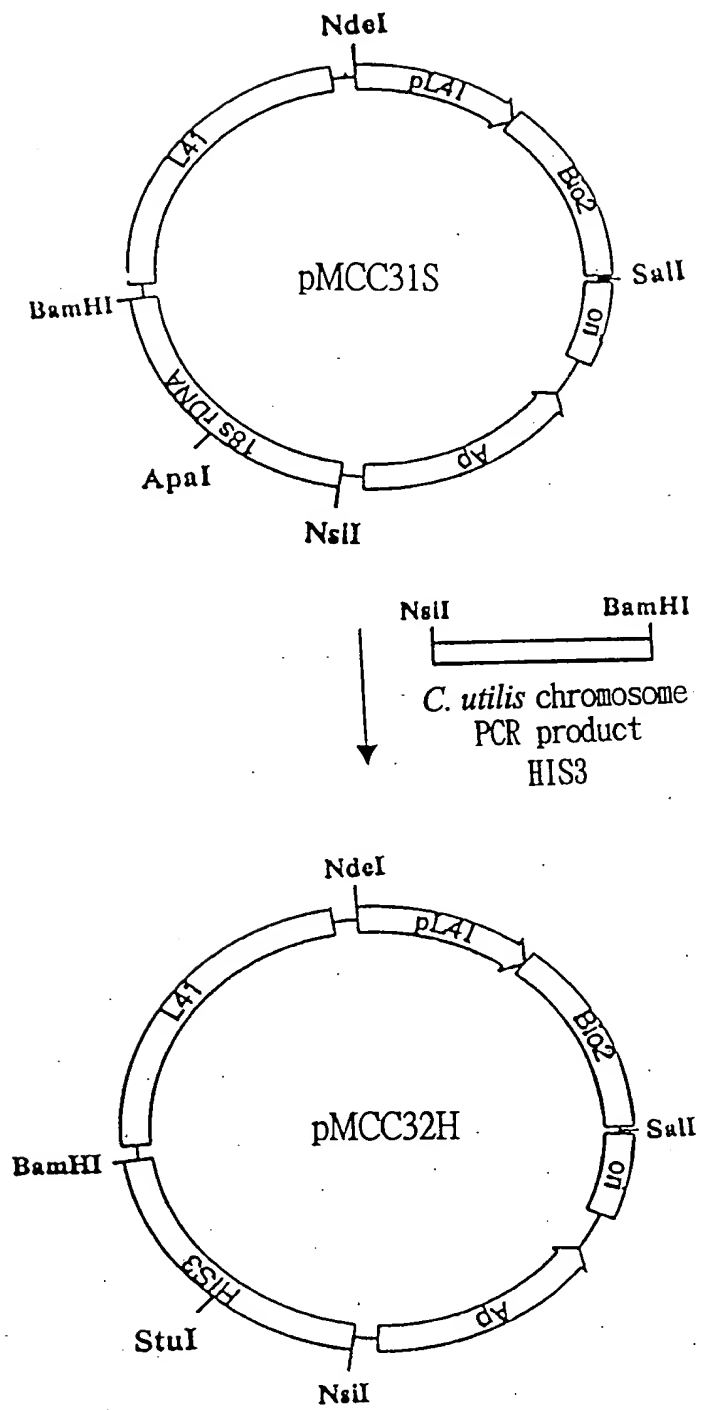
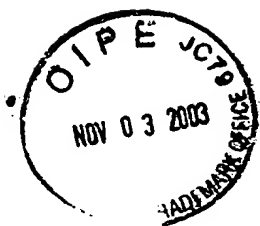


FIG. 9

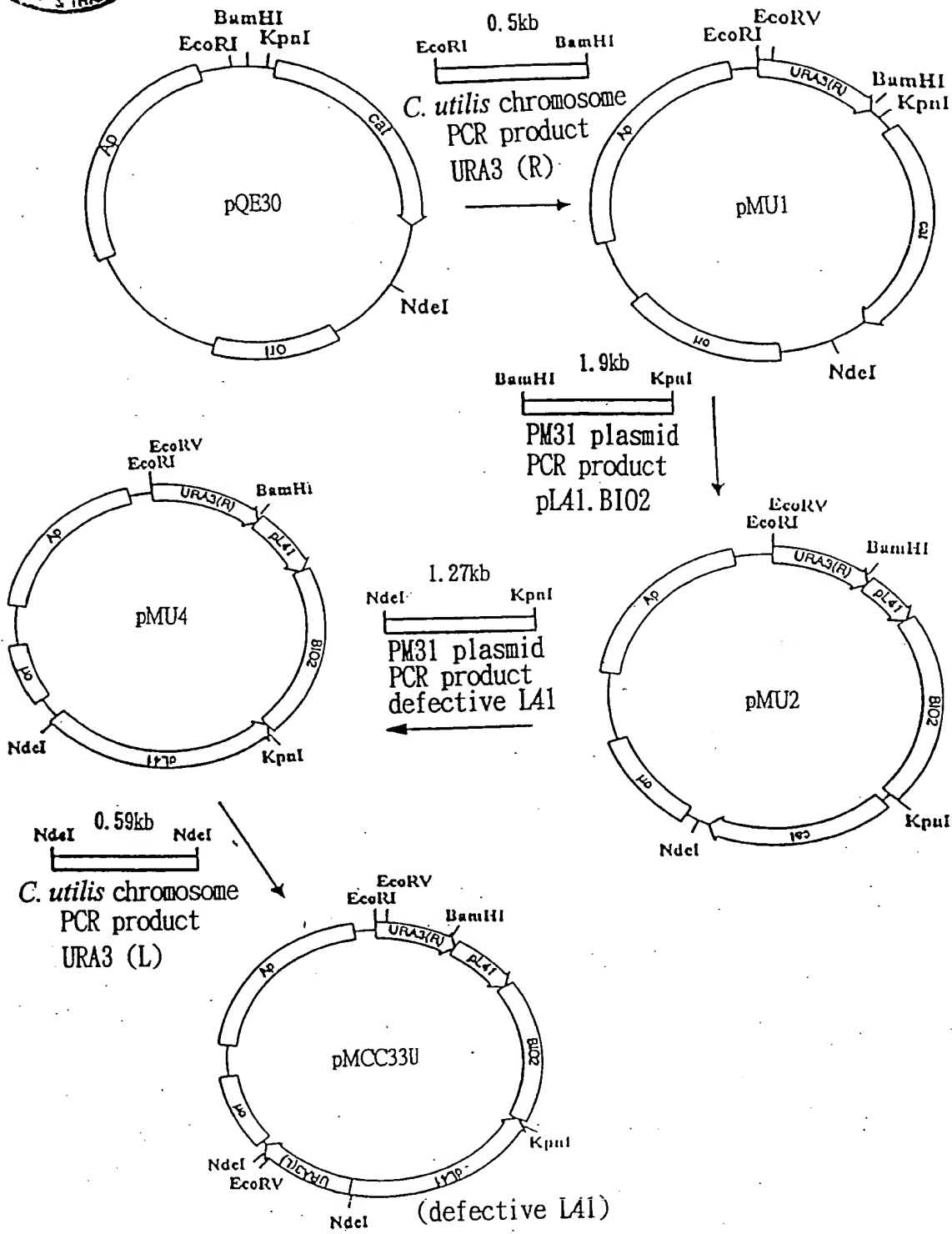
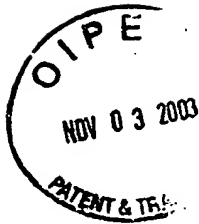


FIG. 10

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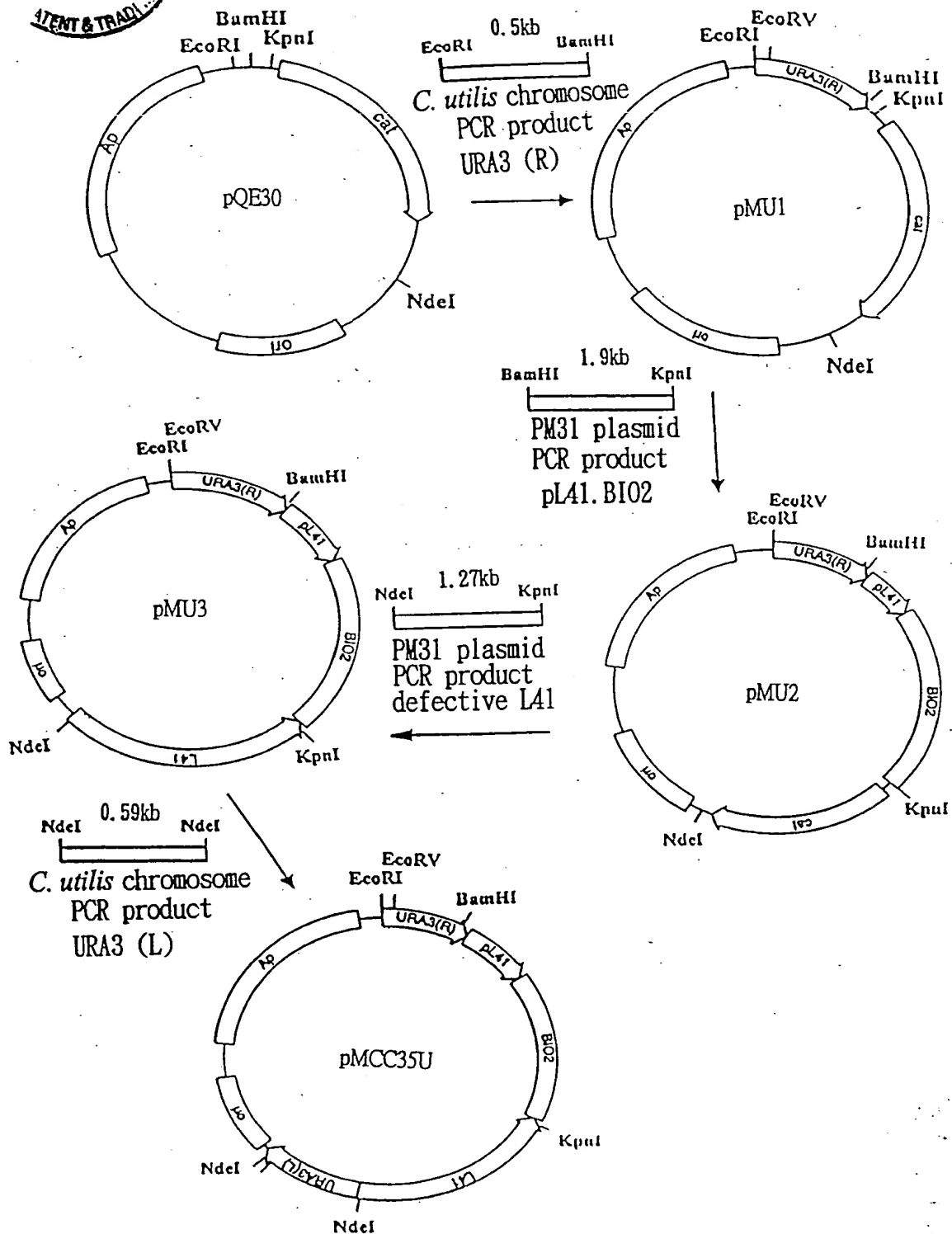


FIG. 11

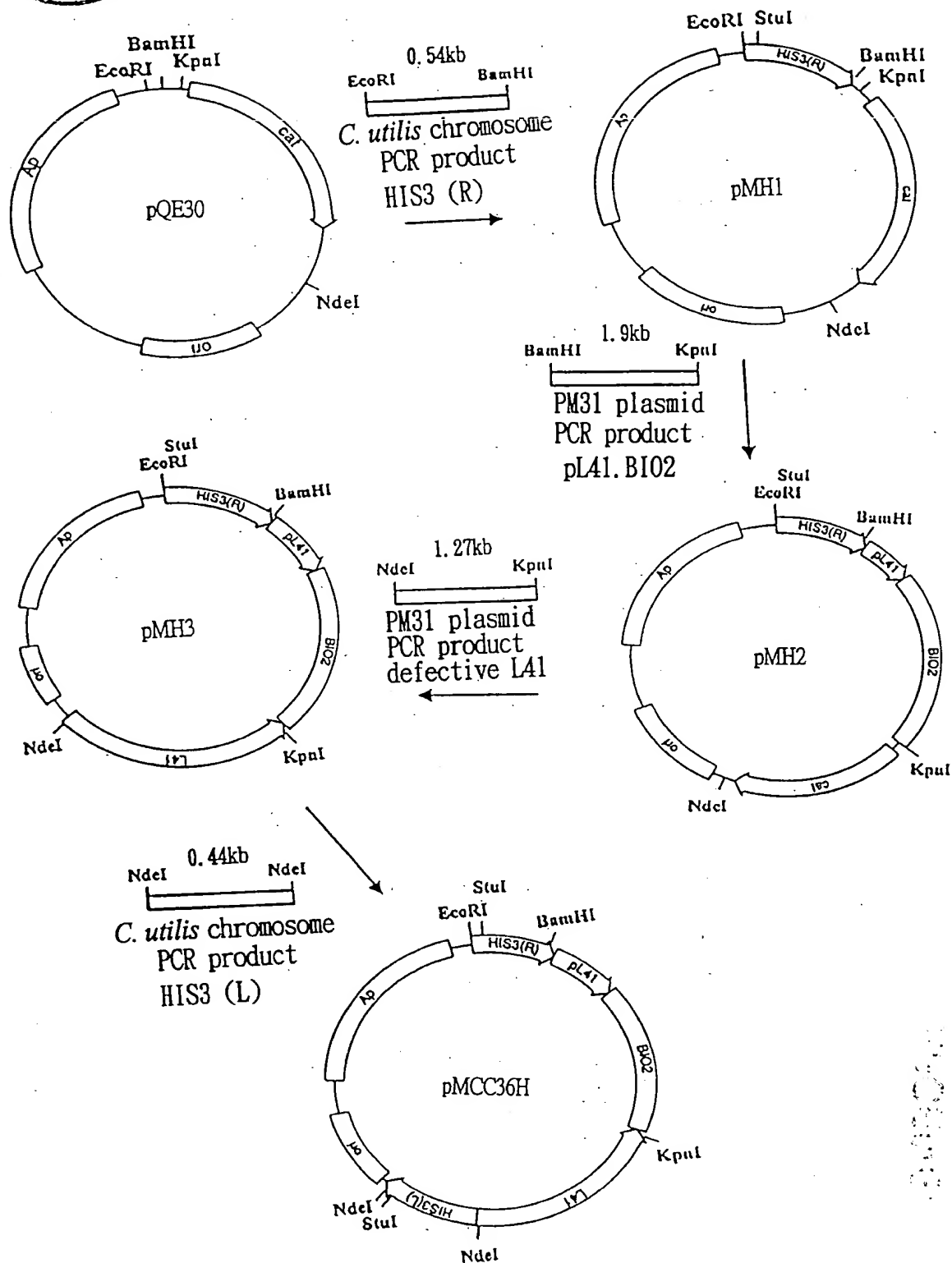


FIG. 12

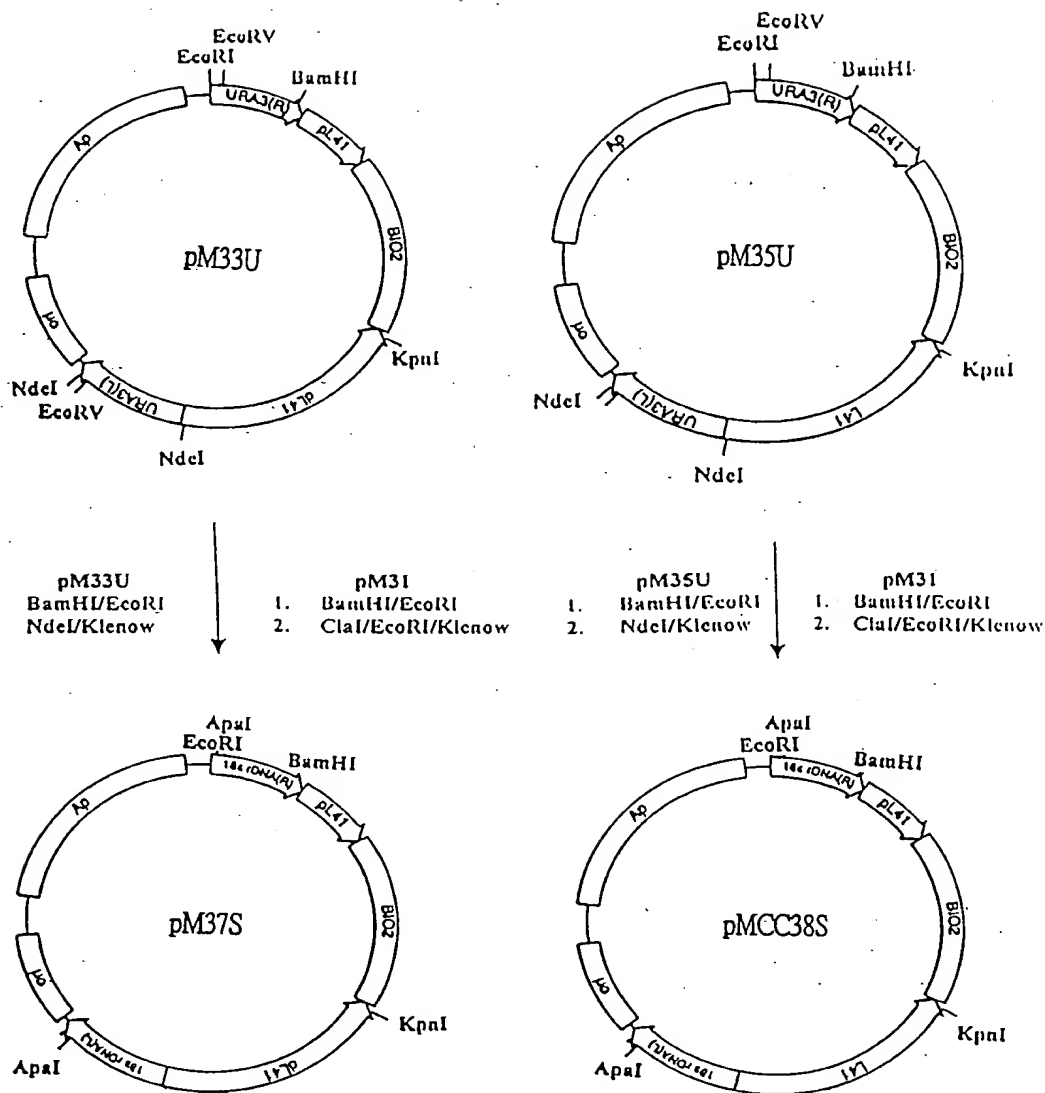


FIG. 13